

LLNL-AR-407617

LBNL-1097E

Beam Physics with Intense Space-Charge

Lecturers:

**John J. Barnard and Steven M. Lund
Lawrence Livermore National Laboratory
Lawrence Berkeley National Laboratory**

Grader:

**Christos Papadopoulos
University of Maryland**

Course Notes:

**United States Particle Accelerator School
Held 16-27 June, 2008
Annapolis, Maryland
Sponsored by University of Maryland at
College Park**

Prepared under the auspices of the US Department of Energy at the Lawrence Livermore and Lawrence Berkeley National Laboratories under Contracts No. DE-AC52-07NA27344 and DE-AC02-05CH11231.